

AEE/KSD/SBR/240/16-17.

dt- 30/1/17

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)N^o & Final Bill

Date.....2017

Zone:BBMP,Yelahanka

Division:BBMP, Byatarayanapura

Sub-Division:BBMP, Kodigehalli

Bill Received No.

Dated

Divisional

Sub-Divisional

Cash Book Voucher No.

Dated.....

Job Code: 007-15-000007

Schedule Docket No.

Head of Account: P-1802

Est.Cost: Rs. 4.95 Lakhs

D.R.NO.:

Name of Work : Water Supply to Drilling of Borewells Erection of Pump Motor in
Byatarayanapura, Kodigehalli Sub Division

Name of Contractor and Full Address: Sri.Chadranna.C, #1256, 2nd Cross, 60 Ft Road, "A" Block, Sahakarnagar Bangalore-

92

Reference to Agreement No. EE/BTP/BBMP/E-PMT/269/2014-15

Date: 02.02.2015

Certified that the measurements were taken by me on: 30.01.2017 and recorded of Pages 257919 to 257933 of
measurement Book No. 2580/2014-15 and that work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that measurement were taken by me on 30/1/17/2017 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Amount

Total Rs 468037-00

GT 4680-00

VAT 18721-00

CEM 4680-00

CBF 468-00

Fine 5040-00

Add 33589-00

Total amount adjusted 434448-00

Contractor's Signature

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being.....Percent Rs.....
- 3) " Balance

4) Deduct Payment:

- a) Amount of previous payment as in the Office Cash Book Voucher
No.....Dated.....S.D.No.....
adjusted towards cash advance recovery of
- b) Payments cost store or other material supplied.
Now made recovery of amount creditable to this /other work
Amount paid on this bill Cheque/Cash.

- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No.....
dated less adjustments.
- 7) Net amount due to or from Contractor
unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within
- 9) Value of Government materials supplied.

Received Rs.....(in words).....

by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness

1

2

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited & Admitted for Rs 468037-00
Rs. 434448-00 (Rupees Four
Lakhs thirty four thousand four hundred
forty eight only.)
(For use in the Office)

Stamp

33589-00

and Rs. By cheque

By adjustment

By cash

By other

By

By

By

By

By

By

By

By

By

By

By

By

By

By

By

By

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS of PWSS by vertical electrical sounding by adopting venner or Schlumbergers method. Including reconnaissance survey of geological formation. Geophysical investigation of existing Ground water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yeild and other information required to cover full depth of aquifer proposed to be tapped, probable yeild and other information required including transporatation of instrument and accessories to work site, engaging techincal personal and labour required etc., as per specification and direction	Each
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surppoting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,PRE- Bangalore Circle-2011-12, Page No-43, Item No-9.4 0.00 to 50.00 mtrs	Rmtr
3	50mtr to 100.00 mtr	Rmtr
4	100.00 to 150.00 mtr	Rmtr
5	150.00 to 200.00 mtr	Rmtr
6	200.00 to 250.00 mtr	Rmtr
7	250.00 to 300.00 mtr	Rmtr
8	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) (PRED,2010-11 Page No.II item No-54)	Rmtr
9	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowed (PRED,2010-11 Page NoII item No-9.4) Above 20 mtrs and Upto 30 mtrs at	Mtrs
10	Above 30 mts	Mtrs
11	Providing 175 mm dia MS Collar (RDED SR page ii, item55)	Each
12	Providing 175 mm dia MS Cap(as per RDED SR page ii, item-54)	Each

Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Cost
1.00	1994.00	1994.00	1.00	1994.00
301.25	50.00	15062.50	301.25	15062.50
394.60	50.00	19730.00	394.60	19730.00
442.88	50.00	22144.00	442.88	22144.00
487.00	50.00	24350.00	487.00	24350.00
538.40	50.00	26920.00	538.40	26920.00
0.00	577.25	0.00	0.00	0.00
40.00	1390.58	55623.20	40.00	55623.20
0.00	45.65	0.00	0.00	0.00
0.00	90.36	0.00	0.00	0.00
8.00	157.42	1259.36	8.00	1259.36
1.00	104.95	104.95	1.00	104.95

13	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3Ph., 50Hz. 380/440 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage SE Approved Rate Letter No:2133 date :30/07/2010	No.
14	Supplying and Drawing 3 core Flat PVC Shilded Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgin PVC insulation and Sheathed Suitable for working Voltage Upto 1100 Volts as per Page No:49 item No 29C/1 PREE- SR 2011-12	Mtr
15	Supplying and fixing 50mm Non Return Valve of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specification (As Per Rate approved By SE, RDED, Letter No.2081/2010-11 Dt:28-07-2010)	No
16	Supplying and fixing 50mm GM Gate Valve (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010)	No.
17	Supplying and fixing 160mm Borewell cap with clampset (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010)	No.
18	Supplying and fixing 50mm GI Union (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010)	No.
19	Supplying and fixing 50mm GI Elbow (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010)	No.
20	Supplying and fixing 50mm GI collar Heavy duty	No.
21	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with star delta starter out door type 10hp to 15 hp (As per rate approved by SE, RDED, Letter No-2133/2010-11 DT: 30-07-2010)	No.
22	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset (As per BWSSB Store Issued Rate)	Mtrs
23	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed and door type etc., complete (As Per Rate Approved by CE, RDED, Letter No-8650/2003-01 Dt: 8-3-2004)	No.
24	Supplying of TPST with rewirable porcelain channels in SM enclosure 15/32 amps P-346, I-1.(a), BWSSB SR 2008-09.	No.
25	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts, P-346, I-2(f), BWSSB SR 2008-09.	No.
26	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'. P-354, I-35(b), BWSSB SR 2008-09.	No.

1.00	54574.00	54574.00	1.00	54574.00
296.00	158.47	46907.12	296.00	46907.12
1.00	1605.73	1605.73	1.00	1605.73
1.00	1500.78	1500.78	1.00	1500.78
1.00	724.15	724.15	1.00	724.15
1.00	~~126.00~~ 257.12	~~126.00~~ 257.12	1.00	~~126.00~~ 257.12
2.00	126.00	252.00	2.00	252.00
35.00	1416.82	49588.70	35.00	49588.70
1.00	10495.00	10495.00	1.00	10495.00
210.00	422.68	88762.80	210.00	88762.80
1.00	498.50	498.50	1.00	498.50
1.00	1416.82	1416.82	1.00	1416.82
1.00	288.61	288.61	1.00	288.61
3.00	367.32	1101.96	3.00	1101.96

27	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. P-332, I-20, ii(d), BWSSB SR 2008-09.	No.
28	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity P-354, I-34(a), BWSSB SR 2008-09.	No.
29	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-350, I-13 (E, a), BWSSB SR 2008-09.	No.
30	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122mm dia P-377, I-7, BWSSB SR 2008-09.	No.
31	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole.	No.
32	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. P-378, I-10(d), BWSSB SR 2008-09.	Mtrs
33	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, P-379, I-77 (a), BWSSB SR 2008-09.	Mtrs
34	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete P-379, I-12 (b), BWSSB SR 2008-09.	Mtrs
35	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., P-380, I-16(b), BWSSB SR 2008-09.	No.
36	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete P-32, I-3 (b), PWD ELECTRICAL SR 2010-11.	No.
37	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. (Pg. No-267, I.No-37.38)	cum
38	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road. (Pg. No-267, I.No-37.40)	cum
39	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Noll KBS 2.1.C/2.9.4/2.18/2.19 (Pg. No-5, I.No2.4)	cum
40	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.(Page NO-14, iTEM no-3.4.2 (b), of PRE SR 2011-12).	Rmtr

20.00	26.23	524.60	20.00	524.60
1.00	367.32	367.32	1.00	367.32
1.00	1128.21	1128.21	1.00	1128.21
1.00	1574.25	1574.25	1.00	1574.25
10.00	230.87	2308.70	10.00	2308.70
35.00	157.42	5509.70	35.00	5509.70
35.00	~~5.24~~ ~~157.42~~	~~183-~~ ~~5509.70~~	35.00	~~183-~~ ~~5509.70~~
30.00	52.47	1574.10	30.00	1574.10
1.00	251.88	251.88	1.00	251.88
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
4.50	208.03	936.14	4.50	936.14
66.00	122.13	8060.58	66.00	8060.58

41	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification. (Pg. No-6, I.No-2.11)	cum
42	Disposing of excavated earth to the final place of disposal with all lead and lift and as directed by the Engineer in charge of the work. (Lead up to 15.00 KM)	cum
43	Transportation of pumping machineries PRE SR 2011-12 PG 51/10.3.19	days
44	Erection of Pumping machineries PRE SR 2011-12 PG 51/10.3.20	Rmt
Total		

Bedcom Charge.

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from
Department

As Lp W. N. D

AE (W)

0.00	55.62	0.00	0.00	0.00
2.40	112.13	269.11	2.40	269.11
2.00	891.65	1783.30	2.00	1783.30
1.00	891.60	891.60	1.00	891.60
		455719.37		455719.37

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 450398 \\
 + 17639 \\
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 468037
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 \begin{array}{r}
 450398 \\
 + 17639 \\
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 468037
 \end{array}$$

Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.